

IN THE CLAIMS

1 1. (Currently Amended) Device for switching on and powering discharge lamps
2 comprising at least a current limiting device, at least a square wave generator, at least an
3 igniter, at least two high tension connection cables, at least a lamp holder with at least a
4 discharge lamp coupled, said at least one igniter comprising at least a high tension transformer
5 and at least an overlapping transformer, said device being characterised in that said at least an
6 igniter is divided into a first stage of the igniter, or pulse generator transformer, and the high
7 tension transformer, and in that said first igniter stage, or pulse generator transformer, and the
8 high tension transformer are assembled along with the above mentioned components, wherein
9 said device includes a lamp ~~bottom~~ holder housing such that said first igniter stage is fixed on
10 said bottom of said lamp bottom housing and, wherein said at least current limiting device
11 module is connected by two reduced section cables to said at least first stage of the igniter, or
12 pulse generator transformer and further wherein said at least a current limiting device module
13 and said at least a first stage of the igniter, or pulse generator transformer, are subjected to
14 movement and/or traction.

1 2. (Original) Device for switching on and powering discharge lamps according to
2 claim 1, characterised in that said at least a first stage of the igniter, or pulse generator
3 transformer, is fixed to the lamp holder.

1 3. (Previously Presented) Device for switching on and powering discharge lamps
2 according to claim 1, characterised in that said at least a first stage of the igniter, or pulse
3 generator transformer, integrally moves along with the lamp holder.

1 4. (Cancelled)

1 5. (Cancelled)

1 6. (Previously Presented) Device for switching on and powering discharge lamps
2 according to claim 1, characterised in that said at least a first stage of the igniter, or pulse
3 generator transformer, comprises at least a transformer.

1 7. (Original) Device for switching on and powering discharge lamps according to
2 claim 6, characterised in that said at least a first stage of the igniter, or pulse generator
3 transformer, comprises two transformers.

1 8. (Original) Device for switching on and powering discharge lamps according to
2 claim 6, characterised in that said at least a transformer is comprised of a toroidal core.

1 9. (Original) Device for switching on and powering discharge lamps according to
2 claim 7, characterised in that said two transformers are comprised of two toroidal nuclei.

1 10. (Previously Presented) Device for switching on and powering discharge lamps
2 according to claim 8, characterised in that said at least one transformer comprised of a toroidal
3 core allows a reduction of dimensions, promoting a reducing assembling.

1 11. (Cancelled)

1 12. (Previously Presented) Device for switching on and powering discharge lamps
2 according to claim 1, wherein said first igniter stage generates approximately 6kW and having

3 a very low current.

1 13. (Previously Presented) Device for switching on and powering discharge lamps
2 according to claim 12, wherein said device works for the duration of lamp ignition which is
3 about 1 second.

1 14. (Previously Presented) Device for switching on and powering discharge lamps
2 according to claim 1, wherein a high voltage state of igniter is positioned on a mobile carriage
3 under said lamp holder.

1 15. (New) Device for switching on and powering discharge lamps comprising at
2 least a current limiting device, at least a square wave generator, at least an igniter, at least two
3 high tension connection cables, at least a lamp holder with at least a discharge lamp coupled,
4 said at least one igniter comprising at least a high tension transformer of a pulse generator and
5 at least two overlapping transformers, said device being characterised in that said at least an
6 igniter is divided into a first stage of the igniter, or pulse generator transformer, and the high
7 tension transformer, and in that said first igniter stage, or pulse generator transformer, and the
8 high tension transformer are assembled along with the above mentioned components, wherein
9 said device includes a lamp holder housing such that said first igniter stage is fixed on said
10 bottom of said lamp bottom housing and, wherein said at least current limiting device module
11 is connected by two reduced section cables to said at least first stage of the igniter, or pulse
12 generator transformer and further wherein said at least a current limiting device module and
13 said at least a first stage of the igniter, or pulse generator transformer, are subjected to
14 movement and/or traction.

1 16. (New) The device of claim 15, wherein the overlapping transformers are
2 toroidal core transformers.